Docket: 5050-4960-00

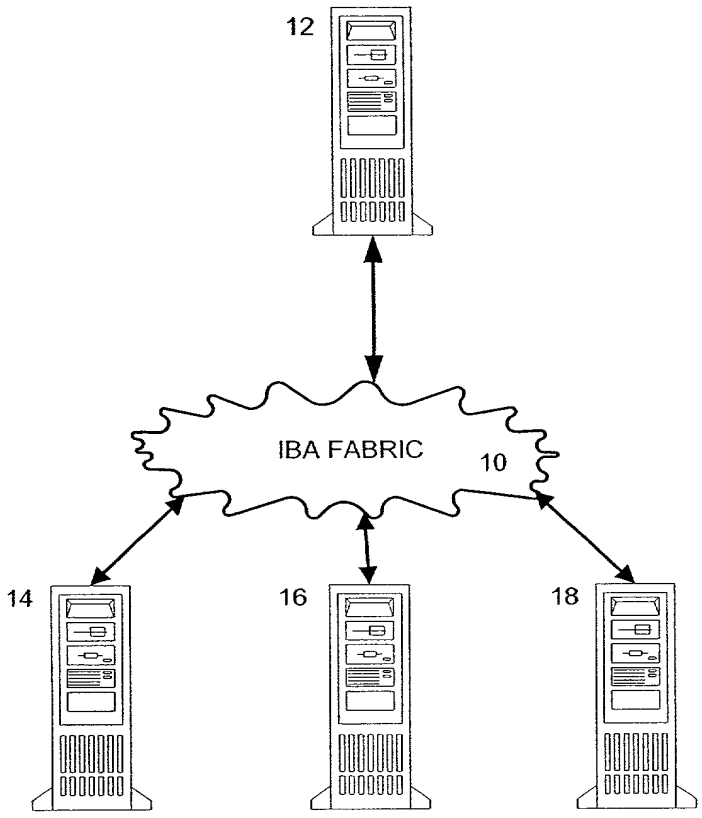

FIG. 1

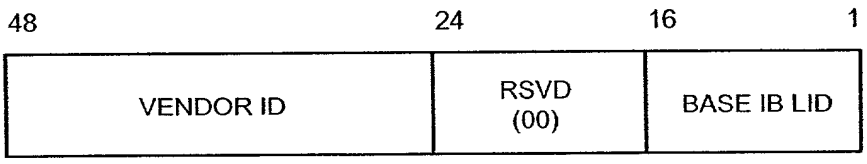

FIG. 2

NETWORK LAYER ADDRESS 1	ETHERNET ADDRESS 1
NETWORK LAYER ADDRESS 2	ETHERNET ADDRESS 2
NETWORK LAYER ADDRESS 3	ETHERNET ADDRESS 3
NETWORK LAYER ADDRESS 4	ETHERNET ADDRESS 4
↓	↓
NETWORK LAYER ADDRESS N	ETHERNET ADDRESS N

FIG. 3

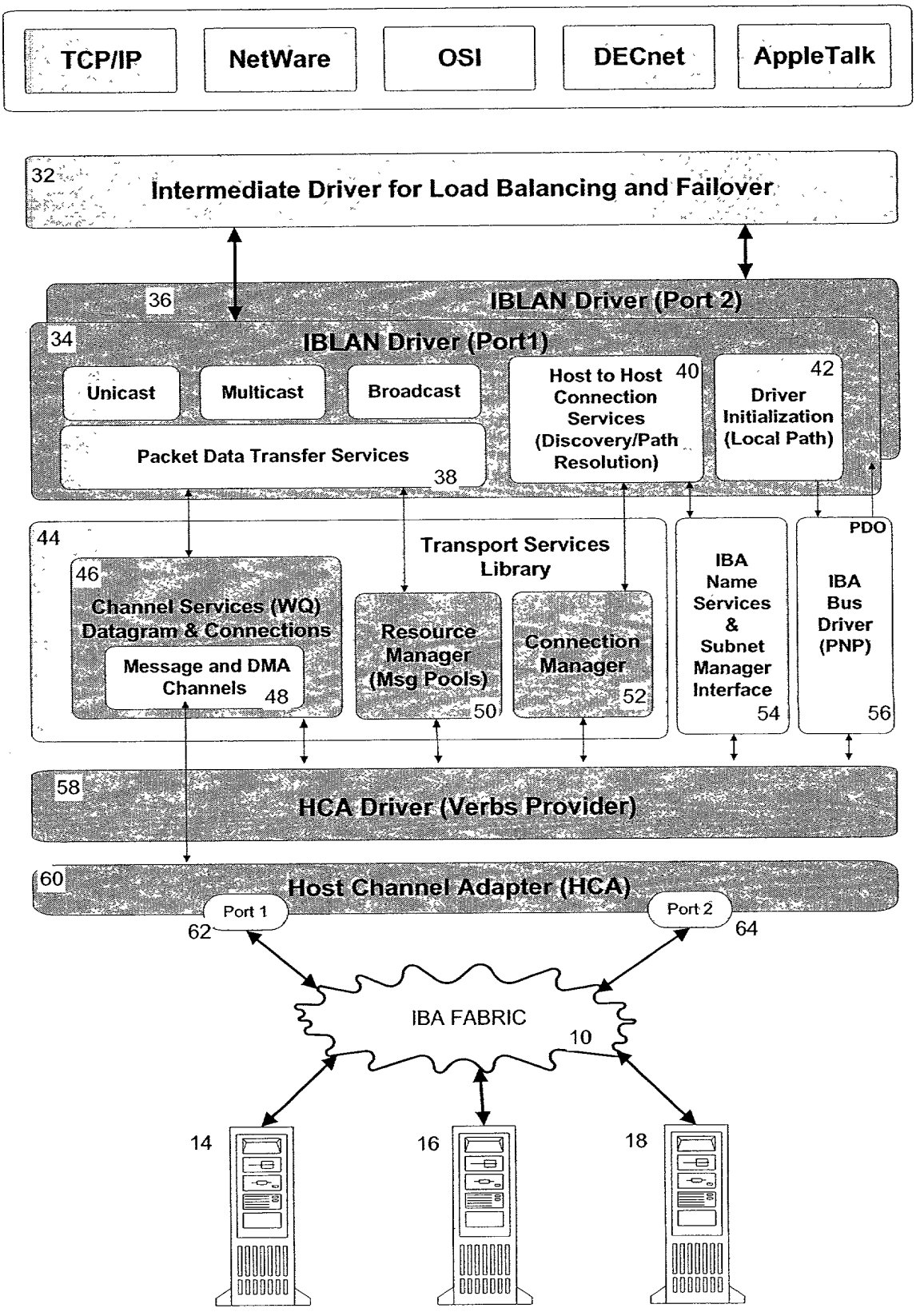
30
TCP/IP
NetWare
OSI
DECnet
AppleTalk
32
Intermediate Driver for Load Balancing and Failover
36
IBLAN Driver (Port 2)
34
IBLAN Driver (Port1)
Unicast
Multicast
Broadcast
Packet Data Transfer Services
38
Host to Host Connection Services (Discovery/Path Resolution)
40
Driver Initialization (Local Path)
42
44
Transport Services Library
46
Channel Services (WQ) Datagram & Connections
Message and DMA Channels
48
Resource Manager (Msg Pools)
50
Connection Manager
52
IBA Name Services & Subnet Manager Interface
54
PDO
IBA Bus Driver (PNP)
56
58
HCA Driver (Verbs Provider)
60
Host Channel Adapter (HCA)
Port 1
62
Port 2
64
IBA FABRIC
10
14
16
18

FIG. 4

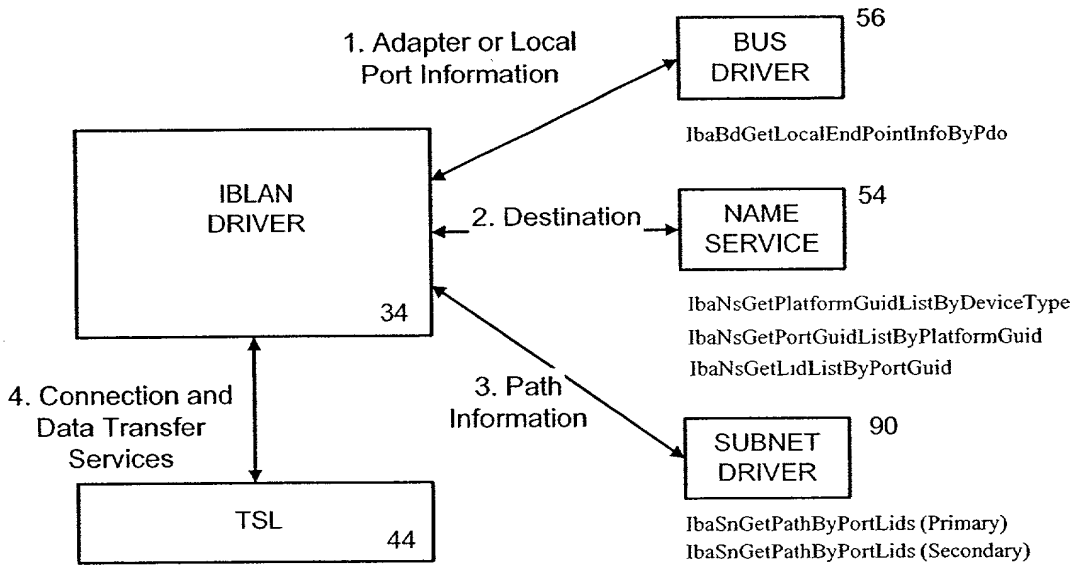
1. Adapter or Local Port Information
BUS DRIVER
56
IbaBdGetLocalEndPointInfoByPdo
IBLAN DRIVER
34
2. Destination
NAME SERVICE
54
IbaNsGetPlatformGuidListByDeviceType
IbaNsGetPortGuidListByPlatformGuid
IbaNsGetLidListByPortGuid
4. Connection and Data Transfer Services
3. Path Information
SUBNET DRIVER
90
TSL
44
IbaSnGetPathByPortLids (Primary)
IbaSnGetPathByPortLids (Secondary)

FIG. 5

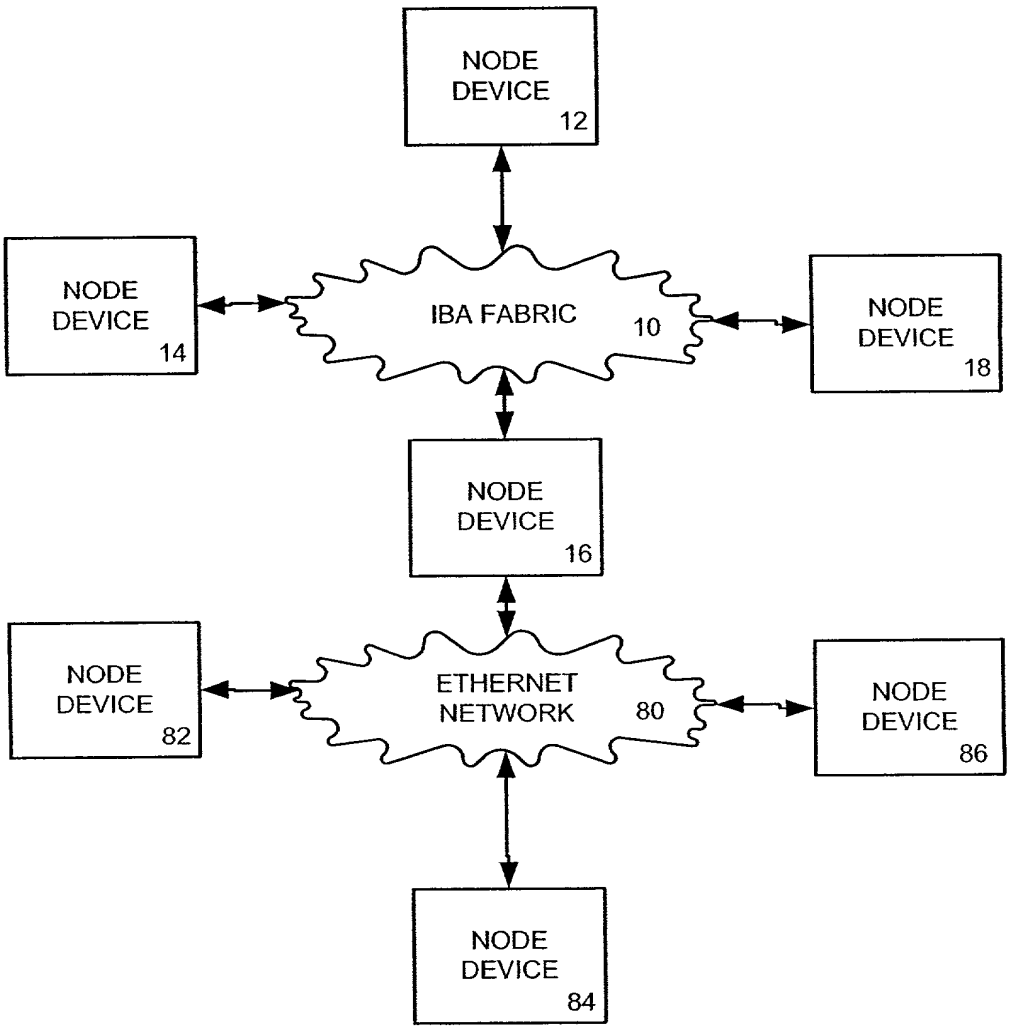
NODE DEVICE 12
NODE DEVICE 14
IBA FABRIC 10
NODE DEVICE 18
NODE DEVICE 16
NODE DEVICE 82
ETHERNET NETWORK 80
NODE DEVICE 86
NODE DEVICE 84

FIG. 6